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[Continued on next page]

(54) Title: POLYNUCLEOTIDES FOR THE DETECTION OF *SALMONELLA* SPECIES

[illegible]

(57) Abstract: Polynucleotide primers and probes for the amplification and detection of *Salmonella* species in samples are provided. The primers and probes can be used in real time diagnostic assays for rapid detection of one or more *Salmonella* species in a variety of situations. Kits comprising the primers and probes are also provided.

		100	120	140	160	
1	B. halodu	AGCTAAGACGCAAACTGTCGATCTATTAATTTAGACGCTCATGTACTGTAAGTGGAGCTCGATGTATGAAACACAC	160			
2	B. subitl	AGCGAAACAGGACAAACCTGATGATGCTGTGCTGATGTGATGCTCCAAATATGGACGAGATGGAGAGAGAG	160			
3	C. acetob	AATGGAAGGTAGAAATTTTGAATTAATCACTTTAGACAGAAAGCTGGCTAAATAGAGGGTTTAACTCTATTCAAAAT	160			
4	B. coli	CTCTCAATGAGCAATACACGGATATATGCGATCTGCGATCTGGGATGGCAGACAGACGGCTCTGTCACTGATTCGGCGCT	160			
5	B. coli	CTCTCAATGAGCAATACACGGATATATGCGATCTGCGATCTGGGATGGCAGACAGACGGCTCTGTCACTGATTCGGCGCT	160			
6	B. coli	CTCTCAATGAGCAATACACGGATATATGCGATCTGCGATCTGGGATGGCAGACAGACGGCTCTGTCACTGATTCGGCGCT	160			
7	B. coli	CTCTCAATGAGCAATACACGGATATATGCGATCTGCGATCTGGGATGGCAGACAGACGGCTCTGTCACTGATTCGGCGCT	160			
8	L. innoc	TGCTGTATGCGAAAAACAGATTAATGTCTGCTGATTTAATGCTCTGTGAATGAGACGGATGGCTGTCACTGATTCGGCGCT	160			
9	L. innoc	TGCTGTATGCGAAAAACAGATTAATGTCTGCTGATTTAATGCTCTGTGAATGAGACGGATGGCTGTCACTGATTCGGCGCT	160			
10	L. none	CGCTTTTTCGCGAAAACCGAGATTAATGTCTGCTGATTTAATGCTCTGTGAATGAGACGGATGGCTGTCACTGATTCGGCGCT	160			
11	L. none	CGCTTTTTCGCGAAAACCGAGATTAATGTCTGCTGATTTAATGCTCTGTGAATGAGACGGATGGCTGTCACTGATTCGGCGCT	160			
12	L. none	CGCTTTTTCGCGAAAACCGAGATTAATGTCTGCTGATTTAATGCTCTGTGAATGAGACGGATGGCTGTCACTGATTCGGCGCT	160			
13	H. tub	GGCGCGCTTAACCGACCGCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
14	D. aerug	GGTCAGCGATATACCAACACAGATTCGCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
15	E. typhi	CGTTAATGAACACGCTTCGGGATATACCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
16	E. typhi	CGTTAATGAACACGCTTCGGGATATACCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
17	E. enter	CGTTAATGAACACGCTTCGGGATATACCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
18	E. enter	CGTTAATGAACACGCTTCGGGATATACCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
19	E. typhi	CGTTAATGAACACGCTTCGGGATATACCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
20	E. typhi	CGTTAATGAACACGCTTCGGGATATACCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
21	E. typhi	CGTTAATGAACACGCTTCGGGATATACCGCGCTGATCTTGAGCGCTGGATGGTGGCGGGATGAGCGCTTCGGCGCTGGCGCGCTGGC	160			
22	E. aureu	GGTGAAGATGGAGACGACGAGATTAATTAATTTAGATGTATGCTACCTTAAGAAAGTAAAGAGCGGCTTCTGCTAATAGCGCGCT	160			
23	E. aureu	GGTGAAGATGGAGACGACGAGATTAATTAATTTAGATGTATGCTACCTTAAGAAAGTAAAGAGCGGCTTCTGCTAATAGCGCGCT	160			
24	G. pneu	GGCGAAACACGACGAGCTTGATTTATGCTGCTGATCATGCTACACCAATATAGAGCGCTGGAAGGTTGTGAAGCGCG	160			
25	E. coli	CTTACAGACGATACACCGCGCGATGCTAATATGAGCTTGCTTGGTGGCGCGTGAAGACGGGTGAAGCGTTATCGCTGGCT	160			
26	Y. pesti	CTTACAGACGATACACCGCGCGATGCTAATATGAGCTTGCTTGGTGGCGCGTGAAGACGGGTGAAGCGTTATCGCTGGCT	160			
27	Y. pesti	CTTACAGACGATACACCGCGCGATGCTAATATGAGCTTGCTTGGTGGCGCGTGAAGACGGGTGAAGCGTTATCGCTGGCT	160			
28	Y. pesti	CTTACAGACGATACACCGCGCGATGCTAATATGAGCTTGCTTGGTGGCGCGTGAAGACGGGTGAAGCGTTATCGCTGGCT	160			





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